Index to Volume 80, 1986

A

About Our Authors/Nos Auteurs, *Marie Fidler*, 55, 109, 152, 210, 263, 351.

"Astrolabe," The Christian Island, *Peter Broughton*, 142.

Astronomy Education in Saskatoon Schools (*Education Notes*), 110.

Astrophotometer, Partial Automation of a Cuffey Iris, *B. Cameron Reed, David G. Turner* and *J. Norman Scrimger*, 203.

Attraction of Schiehallion as Presented in a Lecture by Brydone Jack to a Fredericton Audience in 1856, The, *J.E. Kennedy*, 197.

B

Bakos, G.A., The Semiregular Variable 57 Pegasi (with J. Tremko), 230.

Batten, A.H., Editorial, 61, 301; The I.A.U. Meeting in India, 121 (see also Review of Publications).

Bergh, Sidney van den (see Review of Publications).

Binary Mass Ratios Really Bimodal?, Is the Distribution of, *C.D. Scarfe*, 257.

Bishop, Roy L., What We Bring We Find, 224 (see also Education Notes).

Bouet, Jacques, The Rotation of Planets with Satellites, 161.

Broughton, Peter, The Christian Island "Astrolabe," 142.

C

Calendar, A Shifting Date Line: An Interesting Feature of the Solar, *Mohammad Ilyas*, 134.

Calendars, Lunar: The Missing Date-Lines, *Mohammad Ilyas*, 328.

Canadian Astronomical Society held in Penticton, June 9–13, 1986, The 1986 Annual Meeting of the, *Aikman*, 264; (*Aaquist* and *Kwok*, 283; *Batten* and *Fletcher*, 269; *Bastien* and *Nadeau*, 273; *Bastien, Drissen, Ménard, St-Louis* and *Nadeau*, 276; *Bohlender* and *Landstreet*, 279; *Boreiko* and *Clark*, 275; *Campbell, Walker, Yang* and *Pyke*, 272; *Carlberg* and *Innanen*, 272; *Chan, Chau, Jessop, Jorgenson* and *Groupp*, 279; *Davidge*, 283; *Drissen, St-Louis, Robert, Moffat* and *Bastien*, 271; *Duric* and *Gregory*, 285; *Fernie*, 269; *Forbes* and *Schmidt*, 285; *Galt*, 284; *Gill*, 284; *Goldberg, Aikman, Halliday, McIntosh* and *Cook*, 280; *Gregory*, 278; *Higgs*, 282; *Higgs* and *Vallée*, 277; *Hill* and *Landstreet*, 270; *Hill, Walker* and *Yang*, 275; *Hrivnak, Kwok* and *Boreiko*, 277; *Holmgren*, 279; *Hughes* and *McLean*, 272; *Irwin, Seaquist, Duric* and *Taylor*, 285; *Karpa, Vaneldik, Routledge, Dewdney* and *Landecker*, 281; *Kindl, Hickson* and *Scharein*, 281; *Krelowski* and *Walker*, 274; *Kwok*, 267; *Leahy* and *Milone*, 281; *Leahy* and *Taylor*, 270; *Leonard*, 278; *Matthews, Kurtz* and *Wehlau*, 277; *McCall*, 271; *Ménard* and *Bastien*, 273; *Milone, Clark, Emard* and *Babott*, 269; *Mitchell*, 266; *Morton* and *Blades*, 280; *Naylor, Schultz* and *Clark*, 278; *Percy, Napke, Richer, Harmanec, Horn, Koubsky, Kriz, Bozic, Clark, Landis, Milton, Reisenweber* and *Zsoldos*, 270; *Perley, Dreher* and *Carilli*, 268; *Pineault*, 268; *Pipher*, 266; *Pritchet*, 266; *Purton* and *DRAO staff*, 285; *Robb, Ackroyd, Honkanen* and *Scarfe*, 274; *Robert, Drissen, St-Louis, Moffat* and *Bastien*, 271; *Roger* and *Dewdney*, 283; *Romalo, Ito, Dewdney* and *Landecker*, 276; *Scarfe*, 274; *Seaquist* and *Taylor*, 283; *Shuter, Klatt* and *Dickman*, 273; *Stiff* and *Jeffers*, 286; *Toner* and *Gray*, 284; *Underhill*, 268; *Vallée*, 275; *VandenBerg*, 282; *Vaneldik, Routledge, Landecker, Dewdney* and *Veidt*, 286; *Volk* and *Kwok*, 267; *Wall, McCutcheon, Dewdney* and *Purton*, 275; *Welch, McLaren, Madore* and *McAlary*, 276; *Yang, Walker* and *Bennett*, 282).

Cepheids, Estimated Companion Characteristics for Five Classical, *Peter J.T. Leonard* and *David G. Turner*, 240.

Chapman, David M.F., Recurrent Phenomena of Venus and the Venus-Earth Orbital Resonance, 336.

Christian Island "Astrolabe," The, *Peter Broughton*, 142.

Clarke, Thomas (see Review of Publications).

Index to Volume 80, 1986

A

About Our Authors/Nos Auteurs, *Marie Fidler*, 55, 109, 152, 210, 263, 351.

"Astrolabe," The Christian Island, *Peter Broughton*, 142.

Astronomy Education in Saskatoon Schools (*Education Notes*), 110.

Astrophotometer, Partial Automation of a Cuffey Iris, *B. Cameron Reed, David G. Turner* and *J. Norman Scrimger*, 203.

Attraction of Schiehallion as Presented in a Lecture by Brydone Jack to a Fredericton Audience in 1856, The, *J.E. Kennedy*, 197.

B

Bakos, G.A., The Semiregular Variable 57 Pegasi (with J. Tremko), 230.

Batten, A.H., Editorial, 61, 301; The I.A.U. Meeting in India, 121 (see also Review of Publications).

Bergh, Sidney van den (see Review of Publications).

Binary Mass Ratios Really Bimodal?, Is the Distribution of, *C.D. Scarfe*, 257.

Bishop, Roy L., What We Bring We Find, 224 (see also Education Notes).

Bouet, Jacques, The Rotation of Planets with Satellites, 161.

Broughton, Peter, The Christian Island "Astrolabe," 142.

C

Calendar, A Shifting Date Line: An Interesting Feature of the Solar, *Mohammad Ilyas*, 134.

Calendars, Lunar: The Missing Date-Lines, *Mohammad Ilyas*, 328.

Canadian Astronomical Society held in Penticton, June 9–13, 1986, The 1986 Annual Meeting of the, *Aikman*, 264; (*Aaquist* and *Kwok*, 283; *Batten* and *Fletcher*, 269; *Bastien* and *Nadeau*, 273; *Bastien, Drissen, Ménard, St-Louis* and *Nadeau*, 276; *Bohlender* and *Landstreet*, 279; *Boreiko* and *Clark*, 275; *Campbell, Walker, Yang* and *Pyke*, 272; *Carlberg* and *Innanen*, 272; *Chan, Chau, Jessop, Jorgenson* and *Groupp*, 279; *Davidge*, 283; *Drissen, St-Louis, Robert, Moffat* and *Bastien*, 271; *Duric* and *Gregory*, 285; *Fernie*, 269; *Forbes* and *Schmidt*, 285; *Galt*, 284; *Gill*, 284; *Goldberg, Aikman, Halliday, McIntosh* and *Cook*, 280; *Gregory*, 278; *Higgs*, 282; *Higgs* and *Vallée*, 277; *Hill* and *Landstreet*, 270; *Hill, Walker* and *Yang*, 275; *Hrivnak, Kwok* and *Boreiko*, 277; *Holmgren*, 279; *Hughes* and *McLean*, 272; *Irwin, Seaquist, Duric* and *Taylor*, 285; *Karpa, Vaneldik, Routledge, Dewdney* and *Landecker*, 281; *Kindl, Hickson* and *Scharein*, 281; *Krelowski* and *Walker*, 274; *Kwok*, 267; *Leahy* and *Milone*, 281; *Leahy* and *Taylor*, 270; *Leonard*, 278; *Matthews, Kurtz* and *Wehlau*, 277; *McCall*, 271; *Ménard* and *Bastien*, 273; *Milone, Clark, Emard* and *Babott*, 269; *Mitchell*, 266; *Morton* and *Blades*, 280; *Naylor, Schultz* and *Clark*, 278; *Percy, Napke, Richer, Harmanec, Horn, Koubsky, Kriz, Bozic, Clark, Landis, Milton, Reisenweber* and *Zsoldos*, 270; *Perley, Dreher* and *Carilli*, 268; *Pineault*, 268; *Pipher*, 266; *Pritchet*, 266; *Purton* and *DRAO staff*, 285; *Robb, Ackroyd, Honkanen* and *Scarfe*, 274; *Robert, Drissen, St-Louis, Moffat* and *Bastien*, 271; *Roger* and *Dewdney*, 283; *Romalo, Ito, Dewdney* and *Landecker*, 276; *Scarfe*, 274; *Seaquist* and *Taylor*, 283; *Shuter, Klatt* and *Dickman*, 273; *Stiff* and *Jeffers*, 286; *Toner* and *Gray*, 284; *Underhill*, 268; *Vallée*, 275; *VandenBerg*, 282; *Vaneldik, Routledge, Landecker, Dewdney* and *Veidt*, 286; *Volk* and *Kwok*, 267; *Wall, McCutcheon, Dewdney* and *Purton*, 275; *Welch, McLaren, Madore* and *McAlary*, 276; *Yang, Walker* and *Bennett*, 282).

Cepheids, Estimated Companion Characteristics for Five Classical, *Peter J.T. Leonard* and *David G. Turner*, 240.

Chapman, David M.F., Recurrent Phenomena of Venus and the Venus-Earth Orbital Resonance, 336.

Christian Island "Astrolabe," The, *Peter Broughton*, 142.

Clarke, Thomas (see Review of Publications).

Comet Halley Again (*Notes*), 153.
Comet Halley From Peru (*Notes*), 295.
Comet, Halley's: Canadian Observations and Reactions, 1835–36 and 1910, *Julian A. Smith*, 1.
Comet Halley, The History of, *Donald K. Yeomans, Jürgen Rahe* and *Ruth S. Freitag*, 62.

D

Designation of Radio Sources Observed with the DRAO Synthesis Telescope, The, *L.A. Higgs*, 51.

E

Editorial, *A.H. Batten*, 61, 301.
Education Notes (*Waldron*), 110; (*Bishop*), 211.
Enoch, Muriel J. (see Review of Publications).
Enright, Leo (see Review of Publications and also R.A.S.C.).
Estimated Companion Characteristics for Five Classical Cepheids, *Peter J.T. Leonard* and *David G. Turner*, 240.
Examination Answers (*Notes*), 115.

F

Fidler, Marie (see About Our Authors).
Finstad, K.J., Two Alberta Fireballs in 1985 (with R.E. Folinsbee, D.G.W. Smith and D.P. Hube), 312.
Fireballs in 1985, Two Alberta, *R.E. Folinsbee, D.G.W. Smith, D.P. Hube* and *K.J. Finstad*, 312.
Folinsbee, R.E., Two Alberta Fireballs in 1985 (with D.G.W. Smith, D.P. Hube and K.J. Finstad), 312.
Freitag, Ruth S., The History of Comet Halley (with Donald K. Yeomans and Jürgen Rahe), 62.

G

Galaxie, Les gaz ionisés dans notre (Revue des régions H II, He II, C II, S II interstellaires), *J.P. Vallée*, 16.
Gaz ionisés dans notre galaxie, Les (Revue des régions H II, He II, C II, S II interstellaires), *J.P. Vallée*, 16.
65 Geminorum, The Spectroscopic Orbits of HD 44780 and, *R.F. Griffin*, 91.
God and the Universe, Speaking of, *Christian Stuhr*, 87.
Griffin, R.F., The Spectroscopic Orbits of HD 44780 and 65 Geminorum, 91.

H

Halley Greets Newton's *Principia*, *F.E.L. Priestley*, 303.
Halley's Comet: Canadian Observations and Reactions, 1835–36 and 1910, *Julian A. Smith*, 1.
HD 44780 and 65 Geminorum, The Spectroscopic Orbits of, *R.F. Griffin*, 91.
Harris, Gretchen L.H. (see Review of Publications).
Henderson, Judson Pulford, *Malcolm M. Thomson*, 221.
Higgs, L.A., The Designation of Radio Sources Observed with the D.R.A.O. Synthesis Telescope, 51; Radio Observations of a Neglected 3C Source: 3C428 (with J.P. Vallée), 180.
History of Comet Halley, The, *Donald K. Yeomans, Jürgen Rahe* and *Ruth S. Freitag*, 62.
Hube, D.P., Two Alberta Fireballs in 1985 (with R.E. Folinsbee, D.G.W. Smith and K.J. Finstad), 312.
Hughes, V.A., The Kingston Observatory, 124.
Hutchings, J.B. (see Review of Publications).

I

I.A.U. Meeting in India, The, *Alan H. Batten*, 121.
Ilyas, Mohammad, A Shifting Date Line: An Interesting Feature of the Solar Calendar, 134; Lunar Calendars: The Missing Date-Lines, 328.
In Search of Sprites: The Discovery of Ariel and Umbriel, *Philip Mozel*, 344.
Is the Distribution of Binary Mass Ratios Really Bimodal?, *C.D. Scarfe*, 257.

J

JOURNAL No. 600 (*Notes*), 154.

K

Kennedy, J.E., The Attraction of Schiehallion as Presented in a Lecture by Brydone Jack to a Fredericton Audience in 1856, 197.
Kingston Observatory, The, *V.A. Hughes*, 124.
Krieger, Charles J. (see Notes).

L

Leonard, Peter J.T., Photometry of the S Vul Cluster (with David G. Turner and Barry F. Madore), 166; Estimated Companion Characteristics for Five Classical Cepheids (with David G. Turner), 240.

List of Publications Received for Review, 160.

Lunar Calendars: The Missing Date-Lines, *Mohammed Ilyas*, 328.

M

MacRae, Donald A. (see Review of Publications).

Madore, Barry F., Photometry of the S Vul Cluster (with David G. Turner and Peter J.T. Leonard), 166 (see also Review of Publications).

Minor Planet (3023) Heard (*Notes*), 58.

Mozel, Philip, In Search of Sprites: The Discovery of Ariel and Umbriel, 344.

N

Newton's *Principia*, Halley Greets, *F.E.L. Priestley*, 303.

Note on the History of the Liquid-Mirror Telescope, A, *Duncan Olsson-Steel*, 128.

Notes (*Kreiger*), 56; 153; 216; (*Newton*), 295; 352.

O

Observatory, The Kingston, *V.A. Hughes*, 124.

Olsson-Steel, Duncan, A Note on the History of the Liquid-Mirror Telescope, 128.

P

Partial Automation of a Cuffey Iris Astrophotometer, *B. Cameron Reed, David G. Turner* and *J. Norman Scrimger*, 203.

57 Pegasi, The Semiregular Variable, *J. Tremko* and *G.A. Bakos*, 230.

Photometry of the S Vul Cluster, *David G. Turner, Peter J.T. Leonard* and *Barry F. Madore*, 166.

Planets with Satellites, The Rotation of, *Jacques Bouet*, 161.

Priestley, F.E.L., Halley Greets Newton's *Principia*, 303.

Q

Quasars and Galaxies Observable with the Space Telescope (*Notes*), 56.

R

Radio Observations of a Neglected 3C Source: 3C428, *L.A. Higgs* and *J.P. Vallée*, 180.

Radio Sources Observed with the D.R.A.O. Synthesis Telescope, The Designation of, *L.A. Higgs*, 51.

Ragep, F. Jamil (see Review of Publications).

Rahe, Jürgen, The History of Comet Halley (with Donald K. Yeomans and Ruth S. Freitag), 62.

Recurrent Phenomena of Venus and the Venus-Earth Oribital Resonance, *David M.F. Chapman*, 336.

Reed, B. Cameron, Partial Automation of a Cuffey Iris Astrophotometer (with David G. Turner and J. Norman Scrimger), 203.

Review of Publications

Ashbrook, Joseph, edited by Leif J. Robinson, The Astronomical Scrapbook: Skywatchers, Pioneers and Seekers in Astronomy, *Thomas Clarke*, 218.

Brown, R. Hanbury, Photons, Galaxies and Stars, *A.H. Batten*, 158.

Darling, David J. (Five books), The Stars: From Birth to Black Holes, The New Astronomy: An Ever-Changing Universe, The Galaxies: Cities of Stars, The Universe: Past, Present and Future, Other Worlds: Is There Life Out There?, *Gretchen L.H. Harris*, 220.

Hartman, William K., Ron Miller and Pamela Lee, Out of the Cradle, *Muriel J. Enoch*, 217.

Ilyas, Mohammad, Islamic Calendar, Times and Qibla, *F. Jamil Ragep*, 298.

Jardine, N., The Birth of History and Philosophy of Science, Kepler's "A Defence of Tycho against Ursus" with Essays on its Provenance and Significance, *Kim H. Veltman*, 118.

Kapahi, V.K., editor, Extragalactic Energetic Sources, *J.B. Hutchings*, 156.

Longair, Malcolm S., Theoretical concepts in physics, *S.M. Rucinski*, 159.

Malin, David and Paul Murdin, Colours of the Stars, *Leo Enright*, 59.

Mardirossian, P., G. Guiricin and M. Mezetti, editors, Clusters and Groups of Galaxies, *Barry F. Madore*, 155.

Morris, M. and B. Zuckerman, editors,

Mass Loss From Red Giants, *Lee Anne Willson*, 353.

Srinivasan, G. and V. Radhakrishnan, editors, Supernovae, Their Progenitors and Remnants, *Sidney van den Bergh*, 157.

Sullivan, W.T. III, editor, The Early Years of Radio Astronomy: Reflections fifty years after Jansky's discovery, *Donald A. MacRae*, 116.

Rotation of Planets with Satellites, The, *Jacques Bouet*, 161.

Royal Astronomical Society of Canada, The, List of Officers and Council for 1986, 287; Minutes of the Annual Meeting (*Enright*), 288; Chant Medal Award (*Morrison*), 293; New Service Awards (*Brooks* and *Enright*), 294.

Rucinski, S.M. (see Review of Publications).

S

Scarfe, C.D., Is the Distribution of Binary Mass Ratios Really Bimodal?, 257.

Scrimger, J. Norman, Partial Automation of a Cuffey Iris Astrophotometer (with B. Cameron Reed and David G. Turner), 203.

Semiregular Variable 57 Pegasi, The, *J. Tremko* and *G.A. Bakos*, 230.

Seventy-Five Years Ago (*Notes*), 58, 115, 154, 216, 297, 352.

Shifting Date Line, A: An Interesting Feature of the Solar Calendar, *Mohammad Ilyas*, 134.

Speaking of God and the Universe, *Christian Stuhr*, 87.

Spectroscopic Orbits of HD 44780 and 65 Geminorum, The, *R.F. Griffin*, 91.

Smith, D.G.W., Two Alberta Fireballs in 1985 (with R.E. Folinsbee, D.P. Hube and K.J. Finstad), 312.

Smith, Julian A., Halley's Comet: Canadian Observations and Reactions, 1835–36 and 1910, 1.

Stuhr, Christian, Speaking of God and the Universe, 87.

T

Telescope, A Note on the History of the Liquid-Mirror, *Duncan Olsson-Steel*, 128.

Telescope, The Designation of Radio Sources Observed with the D.R.A.O. Synthesis, *L.A. Higgs*, 51.

Telescopes for Students (*Education Notes*), 211.

Thomson, Malcolm M., Judson Pulford Henderson, 221.

Tremko, J., The Semiregular Variable 57 Pegasi (with G.A. Bakos), 230.

Turner, David G., Photometry of the S Vul Cluster (with Peter J.T. Leonard and Barry F. Madore), 166; Partial Automation of a Cuffey Iris Astrophotometer (with B. Cameron Reed and J. Norman Scrimger), 203; Estimated Companion Characteristics for Five Classical Cepheids (with Peter J.T. Leonard), 240.

Two Alberta Fireballs in 1985, *F.E. Folinsbee, D.G.W. Smith, D.P. Hube* and *K.J. Finstad*, 312.

V

Vallée, J. P., Les gaz ionisés dans notre galaxie (Revue des régions H II, He II, C II, S II interstellaires), 16; Radio Observations of a Neglected 3C Source: 3C428 (with L.A. Higgs), 180.

Veltman, Kim H. (see Review of Publications).

Venus, Recurrent Phenomena of and the Venus-Earth Orbital Resonance, *David M.F. Chapman*, 336.

S Vul Cluster, Photometry of the, *David G. Turner, Peter J.T. Leonard* and *Barry F. Madore*, 166.

W

What We Bring We Find, *Roy L. Bishop*, 224.

Willson, Lee Anne (see Review of Publications).

Y

Yeomans, Donald K., The History of Comet Halley (with Jürgen Rahe and Ruth S. Freitag), 62.